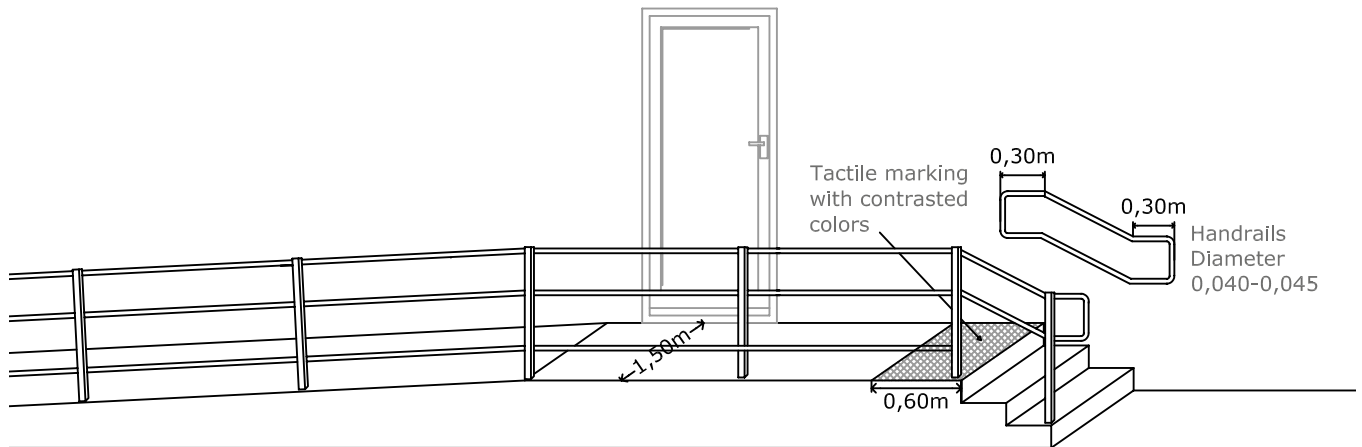


Chapter 2

Stairs

Accessible Standard



Stairs must always be supplementary with ramps

Fig. 2.1

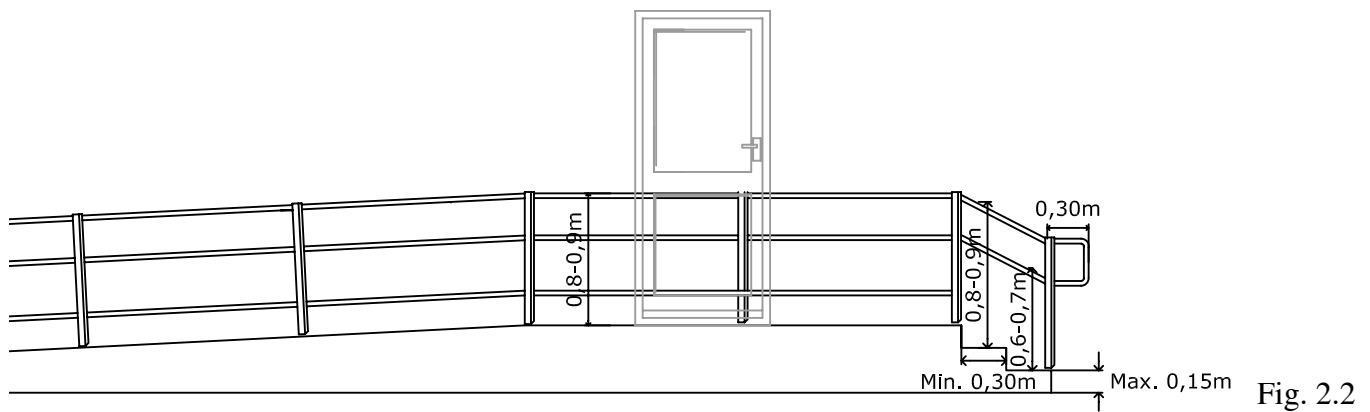


Fig. 2.2

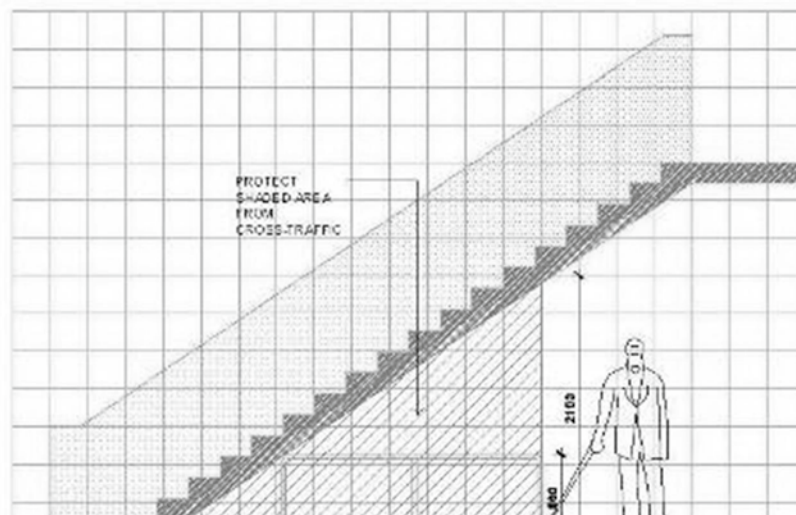


Fig. 2.3

Chapter 2

Stairs

Accessible Standard

(2.1) PLANNING PRINCIPLE

Stairs should be constructed adjacent to the ramps because some persons with disabilities prefer to use the stairs rather than ramps depending on their ability.

(2.2) DIMENSION

Each step should rise at a maximum height of 0.15m.

The run of the step should be maximum of 0.30m and all the steps should be identical (See fig.2.2).

(2.3) WIDTH

The minimum width of the outdoor stairs should be 1.0m measured in between the handrails.

The minimum width of the indoor stairs should be 1.5 m measured in between the handrails.

(2.4) LANDING AREA

Landings should be provided at every 10 stairs/ steps.

The minimum length of the landing area should be 1.0m and width equal to the length of the stairs.

(2.5) HANDRAILS

Stairs should have grip-friendly handrails (diameter approx. Ø 32-38mm.) on both sides to avoid risks of fall, and to support people going up the stairs.

The distance between the handrails and vertical wall surface should be minimum 50mm.

The handrails should continue unbroken along the stairs and on the landing area.

There should be double handrails at different heights i.e one at a height of 0.60 m – 0.70m from the ground level for the use of the children and for persons with disabilities and, one at a height of 0.80m - 0.90m for the use of other users (See fig. 2.2).

For stairs more than 3.0m wide, there should be intermediate handrails and painted in contrasting colours.

The handrails should end 0.3m from the top and at the bottom of the stairs (See fig. 2.2).

Handrails should be made of preferably metal or any other approved strong and sturdy material.

The handrail surface should be neither too smooth nor rough.

(2.6) SURFACE

The stairs surface should be hard and non-slip.

(2.7) TACTILE MARKING

A tactile marking with contrasted colours should be placed at the top and bottom of the stairs to alert the blind persons or persons with visual impairment or low vision.

The width of the marking has to be at least 0.60m and length of the marking has to be the full size of the stairs (See fig. 2.1).

(2.8) MARKING STAIRS

The step rise and the step run should be in different contrasting colours, to enable persons with low vision identify one step from the other.

(2.9) SPACE BELOW STAIRS

Space below stairs should be blocked out completely by protective rails or marked with tactile surface (See fig. 2.3).